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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/009,443	04/10/2002	Nouri Allahwerdi	059643.00716	2401
32294 7590 10/03/2007 SQUIRE, SANDERS & DEMPSEY L.L.P. 14TH FLOOR 8000 TOWERS CRESCENT TYSONS CORNER, VA 22182			EXAMINER LEE, CHI HO A	
			ART UNIT 2616	PAPER NUMBER
			MAIL DATE 10/03/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/009,443

Applicant(s)

ALLAHWERDI, NOURI

Examiner

Andrew Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 September 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 and 98 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 and 98 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 5, 6, 8-10, 12, 13, 16, 18-20, 22 and 98 are rejected under 35 U.S.C. 103(a) as being unpatentable over Farris et al U.S. Patent Number 6,721,306 in view of Gillespie U.S. Patent Number 6,014,377.

Re Claims 1, 98, Farris et al teaches in figure 2, a LAN card (a first interface) configured to communicate with LAN 70 supporting (See col. 15, lines 46 +) TCP/IP (a first IP base network) for receiving/transmitting signals and offers PBX capabilities (a private computer based network comprising wireless capabilities) to enable communication with PC 79 (a cellular communication terminal) and terminal 1 (a wireless user) without any signaling occurring externally of LAN 70 (PBX capability); further includes a T1 card 77 (a second interface) configured to communicate with Internet (a second IP network), See fig. 1: 31, for communicating with terminals outside the Wireless Gateway System 5. Farris et al fails to explicitly teach, "network element to determine whether said UE is a subscriber of the first network and to make a query to a HLR in a second network when UE is not a subscriber of the first network."

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However, Gillespie teaches if the wireless registration data indicates the UE handset is registered (determine whether UE is a subscriber of the first network) and if not, a location request query from the SCP to the HRL of another network (See abstract). One skilled in the art would have been motivated to do so to enable service integration and to facilitate roaming of the UE. Therefore, it would have been obvious to one ordinary skilled to combine the references.

Re Claims 5, 22, refer to Claim 1, wherein T1 card 77 supports TCP/IP.

Re Claim 6, refer to Claim 1, wherein WGS 5 communicates with PSTN gateway 45 (a gateway element).

Re Claim 8, refer to Claim 1, wherein fig. 1 is a system.

Re Claim 9, refer to Claim 1, wherein WGS 5 is coupled to a router (a border gateway).

Re Claim 10, refer to Claim 1, wherein the WGS 5 coupled to the router via tunnel (See col. 4, lines 10-19).

Re Claim 12, refer to Claim 1, wireless part.

Re Claim 13, refer to Claim 1, further teaches a GSM (See col. 7, lines 28-35).

Re Claims 16, 18, 19, further teaches a HLR server 33 (a register for storing information related to user) coupled to WGS 5 for storing configuration info..

Re Claim 20, refer to Claim 1, wherein WGS gateway (a signaling gateway) modifies the signals to be compatible with the Internet 31 and vice versa.

Claim Rejections - 35 USC § 103

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3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2, 3, 4, 7, 11, 14, 15, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Farris et al U.S. Patent Number 6,721,306 in view of Gillespie U.S. Patent Number 6,014,377 as applied to Claim 1 above and further in view of Gilchrist et al U.S. Patent Number 7,042,855.

Re Claims 2, 3, 14, 15, Farris in view Gillespie teaches that LAN interface supports TCP/IP but fails to explicitly teach a tunneling protocol to communicate with LAN 70 (the first IP based network). However, Gilchrist et al teaches a corporate Intranet, analogous to WGS 5 of Farris, supporting GPRS tunneling to enable communication with private in-building network. One skilled in the would have been motivated by Gilchrist et al to modify Farris to support GPRS tunneling to enable private networking application.

Re Claim 4, one skilled in the art would have to motivated to modify the public packet network in Farris to interconnect with a known wireless packet network as taught by Gilchrist et al.

Re Claims 7, 17, one skilled in the art would have been motivated to known LDAP protocol to communicate with IP base network.

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5. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Farris et al U.S. Patent Number 6,721,306 in view of Vaisanen et al U.S. Patent Number 6,560,443.

Re Claim 21, Farris et al fails to explicitly teach a dual mode terminal to support WLAN and GPRS. However, Vaisanen teaches a dual mode terminal supporting WLAN and cellular networks. One skilled in the art would have been motivated by Vaisanen to modify the terminal in Farris with the dual mode terminal in Vaisanen for adaptability.

Response to Arguments

6. Applicant's arguments with respect to claims 1-22, 98 have been considered but are moot in view of the new ground(s) of rejection.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 571-272-3130. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Firman Backer can be reached on 571-272-6703. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ANDREW C. LEE
PRIMARY PATENT EXAMINER

